

**JESSAMINE COUNTY REPORT  
OF  
ENDANGERED, THREATENED, AND SPECIAL CONCERN  
PLANTS, ANIMALS, AND NATURAL COMMUNITIES  
OF  
KENTUCKY**

**KENTUCKY STATE NATURE  
PRESERVES COMMISSION  
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# Kentucky State Nature Preserves Commission

## Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

### STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none    E = endangered    T = threatened    S = special concern    H = historic    X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none    C = candidate    LT = listed as threatened    LE = listed as endangered

SOMC = Species of Management Concern

### RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S4 = Apparently secure

S#T# = Intraspecific taxa

S5 = Secure

SNR = Unranked

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S#B = Rank of breeding population

S#N = Rank of non-breeding population

S#M = Rank of transient population

### COUNT DATA FIELDS

# OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to be extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

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| County    | Taxonomic Group    | Scientific name   | Common name            | Statuses | Ranks       | # of Occurrences |   |   |   |   |
|-----------|--------------------|---|------------------------|----------|-------------|------------------|---|---|---|---|
|           |                    |   |                        |          |             | E                | H | F | X | U |
| Jessamine | Vascular Plants    | <i>Deschampsia cespitosa</i>  | Tufted Hairgrass       | E /      | G5 / S1S2   | 2                | 0 | 0 | 0 | 0 |
| Jessamine | Vascular Plants    | <i>Elymus svensonii</i><br>XERIC ROCKY OPEN OR WOODED BLUFFS ALONG KY AND DIX RIVERS AND TRIBUTARIES.   | Svenson's Wildrye      | S / SOMC | G3 / S3     | 5                | 0 | 0 | 0 | 0 |
| Jessamine | Vascular Plants    | <i>Lesquerella globosa</i><br>Calcareous rocks and barrens, wooded cliff edges.   | Globe Bladderpod       | E / C    | G2 / S1     | 1                | 3 | 0 | 1 | 0 |
| Jessamine | Vascular Plants    | <i>Onosmodium hispidissimum</i><br>Dry calcareous rocky or gravelly prairies, banks, glades. dry hills, woods, fields.  | Hairy False Gromwell   | E /      | G4G5T4 / S1 | 0                | 1 | 0 | 0 | 0 |
| Jessamine | Vascular Plants    | <i>Paxistima canbyi</i><br>Calcareous rocks and slopes (generally near the top of cliffs or bluffs), rocky woods in the mountains, usually above major streams.   | Canby's Mountain-lover | T / SOMC | G2 / S2     | 1                | 0 | 0 | 0 | 0 |
| Jessamine | Vascular Plants    | <i>Perideridia americana</i><br>Low grounds, prairies, and rich woods.  | Eastern Yampah         | T /      | G4 / S2     | 1                | 0 | 0 | 0 | 0 |
| Jessamine | Vascular Plants    | <i>Phlox bifida ssp. stellaria</i><br>Dry cliffs, bluffs, sandhills, dunes, dry sandy soil and rock ledges, cedar glades.   | Starry-cleft Phlox     | E / SOMC | G5?T3 / S1  | 4                | 0 | 0 | 0 | 0 |
| Jessamine | Vascular Plants    | <i>Sagina fontinalis</i><br>On permanently wet limestone cliffs or ledges above or along streams in full sun or light shade.  | Water Stitchwort       | T /      | G3 / S2     | 2                | 0 | 1 | 1 | 0 |
| Jessamine | Vascular Plants    | <i>Schizachne purpurascens</i><br>Dry outcrops along limestone cliffines along large streams and rivers.  | Purple Oat             | T /      | G5 / S2     | 4                | 0 | 0 | 0 | 0 |
| Jessamine | Vascular Plants    | <i>Trifolium stoloniferum</i><br>Old trails, traces, and roads; grazed bottomlands, streambanks, lawns, shoals, and cemeteries with native vegetation, prairies, well-drained and mesic soils, and filtered to partial light. | Running Buffalo Clover | T / LE   | G3 / S2S3   | 1                | 0 | 0 | 0 | 0 |
| Jessamine | Vascular Plants    | <i>Trillium nivale</i><br>Mesophytic forests with limestone derived soils, slopes associated with large river systems.  | Snow Trillium          | E /      | G4 / S1     | 2                | 0 | 0 | 0 | 0 |
| Jessamine | Vascular Plants    | <i>Viburnum molle</i><br>Rocky dry to somewhat dry woods usually at about mid-slope.  | Softleaf Arrowwood     | T /      | G5 / S3?    | 3                | 1 | 0 | 0 | 0 |
| Jessamine | Vascular Plants    | <i>Viburnum rafinesquianum var. rafinesquianum</i><br>Dry, esp. calcareous woods.   | Downy Arrowwood        | T /      | G5T4T5 / S2 | 0                | 1 | 0 | 0 | 0 |
| Jessamine | Vascular Plants    | <i>Viola walteri</i><br>Dry-mesic upland forests often with thin canopies.  | Walter's Violet        | T /      | G4G5 / S2   | 2                | 0 | 0 | 0 | 0 |
| Jessamine | Freshwater Mussels | <i>Fusconaia subrotunda subrotunda</i><br>GRAVEL BARS AND DEEP POOLS IN LARGE RIVERS AND LARGE TO MEDIUM-SIZED STREAMS (AHLSTEDT 1984, GOODRICH AND VAN DER SCHALIE 1944, NEEL AND ALLEN 1964, PARMALIEE 1967).               | Longsolid              | S /      | G3T3 / S3   | 1                | 0 | 0 | 0 | 0 |
| Jessamine | Freshwater Mussels | <i>Plethobasus cyphus</i><br>Usually found in large rivers in current on mud, sand, or gravel bottoms at depth of 1-2 meters or more (Baker 1928, Parmalee 1967, Gordon and Layzer 1989).                                     | Sheepnose              | E / C    | G3 / S1     | 1                | 0 | 0 | 0 | 0 |
| Jessamine | Insects            | <i>Callophrys irus</i><br>EDGES AND FIELDS NEAR WOODS AND SCRUBS. FEEDS ON WILD INDIGO AND LUPINE, OCCASIONALLY BLUE FALSE INDIGO AND RATTLEBOX (OPLER AND MALIKUL 1992).   | Frosted Elfin          | T /      | G3 / S1     | 0                | 1 | 0 | 0 | 0 |
| Jessamine | Insects            | <i>Pseudanophthalmus abditus</i><br>Caves, microhabitat unknown.  | Concealed Cave Beetle  | T /      | G3T3 / S2   | 0                | 0 | 1 | 0 | 0 |

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| County    | Taxonomic Group   | Scientific name                                   | Common name                 | Statuses | Ranks         | # of Occurrences |   |   |   |   |
|-----------|---|---|-----------------------------|----------|---------------|------------------|---|---|---|---|
|           |   |   |                             |          |               | E                | H | F | X | U |
| Jessamine | Insects<br>A CAVE OBLIGATE BEETLE.  | <i>Pseudanophthalmus solivagus</i>                | A Cave Obligate Beetle      | S /      | G1G2 / S1S2   | 0                | 1 | 0 | 0 | 0 |
| Jessamine | Amphibians<br>CONFINED TO RUNNING WATERS OF FAIRLY LARGE STREAMS AND RIVERS.  | <i>Cryptobranchus alleganiensis alleganiensis</i> | Eastern Hellbender          | S / SOMC | G3G4T3T4 / S3 | 0                | 1 | 0 | 0 | 0 |
| Jessamine | Amphibians<br>BREEDS IN NATURAL AND MANMADE PONDS. OTHERWISE USES MOIST GRASSLAND, MEADOWS AND MARGINS.   | <i>Rana pipiens</i>                               | Northern Leopard Frog       | S /      | G5 / S3       | 0                | 0 | 0 | 1 | 0 |
| Jessamine | Breeding Birds<br>FOREST AND OPEN WOODLAND, CONIFEROUS, MIXED, OR DECIDUOUS, PRIMARILY IN CONIF. IN MORE NORTHERN AND MOUNTAINOUS PORTION OF RANGE (B83COM01NA). MIGRATES THROUGH VARIOUS HABITATS, MAINLY ALONG RIDGES, LAKESHORES, & COASTLINES (B83NAT01NA).                             | <i>Accipiter striatus</i>                         | Sharp-shinned Hawk          | S /      | G5 / S3B,S4N  | 1                | 0 | 0 | 0 | 0 |
| Jessamine | Breeding Birds<br>OPEN FIELDS & MEADOWS W/ GRASS INTERSPERSED W/ WEEDS OR SHRUBBY VEG., ESPEC. IN DAMP OR LOW-LYING AREAS, ADJACENT TO SALT MARSH IN SOME AREAS. IN MIGRATION & WINTER ALSO IN GRASSY AREAS ADJACENT TO PINE WOODS OR SECOND-GROWTH WOODS.                                  | <i>Ammodramus henslowii</i>                       | Henslow's Sparrow           | S / SOMC | G4 / S3B      | 1                | 0 | 0 | 0 | 0 |
| Jessamine | Breeding Birds<br>MARSHES, PONDS, SLOUGHS, LAKES AND SLUGGISH STREAMS. IN MIGRATION AND WHEN NOT BREEDING, IN BOTH FRESHWATER AND BRACKISH SITUATIONS (B83COM01NA).   | <i>Anas discors</i>                               | Blue-winged Teal            | T /      | G5 / S1S2B    | 1                | 0 | 0 | 0 | 0 |
| Jessamine | Breeding Birds<br>Open situations with scattered bushes and trees, prairie, forest edge, cultivated areas, orchards, fields with bushy borders, and savanna (B83COM01NA).   | <i>Chondestes grammacus</i>                       | Lark Sparrow                | T /      | G5 / S2S3B    | 0                | 2 | 0 | 0 | 0 |
| Jessamine | Breeding Birds<br>Tall grass areas, flooded meadows, prairie, deep cultivated grains, alfalfa and clover fields. In migration and winter also in rice fields, marshes, and open woody areas. (B83COM01NA).  | <i>Dolichonyx oryzivorus</i>                      | Bobolink                    | S /      | G5 / S2S3B    | 2                | 0 | 0 | 0 | 0 |
| Jessamine | Breeding Birds<br>OPEN AND PARTLY OPEN COUNTRY IN A WIDE VARIETY OF SITUATIONS, OFTEN AROUND HUMAN HABITATION (B83COM01NA). IN NORTHERN WINTER OFTEN ROOSTS IN DENSE CONIFERS; ALSO ROOSTS IN NEST BOXES IF AVAILABLE (A85MAR01NA).   | <i>Tyto alba</i>                                  | Barn Owl                    | S /      | G5 / S3       | 2                | 0 | 0 | 0 | 0 |
| Jessamine | Mammals<br>Gray bats use primarily caves throughout the year, although they move from one cave to another seasonally. Males and young of the year use different caves in summer than females.   | <i>Myotis grisescens</i>                          | Gray Myotis                 | T / LE   | G3 / S2       | 5                | 0 | 0 | 1 | 0 |
| Jessamine | Mammals<br>Lieb's bats use a variety of habitats. They occur in caves, mines, protected sites along cliffines, abandoned buildings, and are occasionally found roosting under rocks on the ground or on the floors of caves. Summer habitat is currently unknown, but may be similar sites. | <i>Myotis leibii</i>                              | Eastern Small-footed Myotis | T / SOMC | G3 / S2       | 1                | 0 | 0 | 0 | 0 |
| Jessamine | Mammals<br>Indiana bats use primarily caves for hibernacula, although they are occasionally found in old mine portals.  | <i>Myotis sodalis</i>                             | Indiana Bat                 | E / LE   | G2 / S1S2     | 0                | 1 | 0 | 0 | 0 |
| Jessamine | Communities   | <i>Calcareous sub-xeric forest</i>                |                             | /        | GNR / S5      | 2                | 0 | 0 | 0 | 0 |